

MGMI 311

Arrays in VBA

What is Array?

- Lists where each element of the list is an indexed element of the array
- example: "Num" array = {1, 3, 5, 7, 9}
 1st element = 1
 2nd element = 3

How to Declare

- Declare array called "testArray"
each element is of type Integer
size of array = 10
- Dim testArray (10) As Integer

Dynamic Array

- In case that size of array is unknown
Dim testArray () As Integer
- When the size of array is known
Redim testArray(size)

Multiple Dimension Array

- Arrays can have more than one dimension
- example:
 - Array has 10 records, each record has 100 element
 - two-dimension array need to have 2 indexes

Dim testArray(10,100) As Integer

Find size of current record

Option Base 1 ` all arrays begins with index 1

Sub

...

With Range("A3")

nProduct = Range(.Offset(1,0), .End(xlDown)).Rows.Count

End With

...

End Sub